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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Part 1: Classifying Triangles.**  **Classify by its angles and sides. \*Hint: Find all missing angles and sides.** | | | | | | 1. | | 2. | | 3. | | Sides: \_\_\_\_\_\_\_\_\_\_ | Sides: \_\_\_\_\_\_\_\_\_\_ | | Sides: \_\_\_\_\_\_\_\_\_\_ | | | Angles: \_\_\_\_\_\_\_\_\_ | Angles: \_\_\_\_\_\_\_\_\_ | | Angles: \_\_\_\_\_\_\_\_\_\_ | |  |  | | --- | | **Part 2: Drawing Triangles.**  **If not possible, write “Not Possible.”**  4. Draw an equilateral triangle with an exterior angle that  measures 90o. |  |  | | --- | | **Part 3: Finding missing sides and angles. Use the picture to answer each question.** | | 5. Find: | | a. x | | b. | | c. | | d. |      |  | | --- | | 6. Find: | | a. | | b. | | c. | | d. Classify | | |  |  |  |  |  | | --- | --- | --- | --- | --- | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Part 1: Classifying Triangles.**  **Classify by its angles and sides. \*Hint: Find all missing angles and sides.** | | | | | | 1. | | 2. | | 3. | | Sides: \_\_\_\_\_\_\_\_\_\_ | Sides: \_\_\_\_\_\_\_\_\_\_ | | Sides: \_\_\_\_\_\_\_\_\_\_ | | | Angles: \_\_\_\_\_\_\_\_\_ | Angles: \_\_\_\_\_\_\_\_\_\_ | | Angles: \_\_\_\_\_\_\_\_\_\_ | |  |  | | --- | | **Part 2: Drawing Triangles.**  **If not possible, write “Not Possible.”**  4. Draw an equilateral triangle with an exterior angle that  measures 90o. |  |  | | --- | | **Part 3: Finding missing sides and angles. Use the picture to answer each question.** | | 5. Find: | | a. x | | b. | | c. | | d. |      |  | | --- | | 6. Find: | | a. | | b. | | c. | | d. Classify | |